

In the Claims:

Please amend the claims as indicated:

(Original) 1. A robot system comprising:
a robot cleaner including a cleaning unit, and a motion unit; and
a unit connected to the robot cleaner by an electrical cord to provide power to the robot cleaner wherein the robot cleaner cleans the room while connected to the unit and wherein the power cord is wound in as the robot cleaner gets closer to the unit.

(Original) 2. The robot system of claim 1, wherein the unit is a central unit, wherein the robot cleaner moves around the central unit to clean the room.

(Amended) [2] 3. The robot system of claim 1, wherein the unit is connected to a power socket by another power cord.

(Amended) [3] 4. The robot system of claim 1, wherein the robot cleaner includes a payout.

(Amended) [4] 5. The robot system of claim 1, wherein the central unit includes a payout.

(Amended) [5] 6. The robot cleaner of claim 1, wherein the robot cleaner prevents the power cord from completely wrapping around an object on the floor.

(Amended) [6] 7. The robot cleaner of claim [5] 6, wherein the robot cleaner keeps track of its motion to determine motion changes caused by the power cord contacting objects on the floor.

(Amended) [7] 8. The robot cleaner of claim [5] 6, wherein the robot cleaner cleans back and forth in region behind the object.

(Amended) [8] 9. The robot cleaner of claim 1, wherein the robot cleaner includes processor.

(Amended) [9] 10. The robot cleaner of claim [8] 9, wherein the processor controls the

motion unit.

(Amended) [10] 11. A method comprising:

revolving a robot cleaner about a central unit, the robot cleaner being connected to the central unit by a power cord, the robot cleaner being connected by the power cord to the central unit, wherein the robot cleaner circles the central unit to clean the room; and
winding in the power cord as the robot gets closer to the central unit.

(Amended) [11] 12. The method of claim [10] 11, wherein the central unit is connected to a power socket by another power cord.

(Amended) [12] 13. The method of claim [10] 11, wherein the robot cleaner includes a payout.

(Amended) [13] 14. The method of claim [10] 11, wherein the central unit includes a payout.

(Amended) [14] 15. The method of claim [10] 11, wherein the robot cleaner prevents the power cord from completely wrapping around an object on the floor.

(Amended) [15] 16. The method of claim [14] 15, wherein the robot cleaner keeps track of its motion to determine motion changes caused by the power cord contacting objects on the floor.

(Amended) [16] 17. The method of claim [14] 15, wherein the robot cleaner cleans back and forth in region behind the object.

(Amended) [17] 18. The method of claim 1, wherein the robot cleaner includes processor.

(Amended) [18] 19. The method of claim [17] 18, wherein the processor controls the

motion unit.

(Original) 20. A robot system comprising:

a robot cleaner including a cleaning unit and a motion unit; and

a unit connected to the robot cleaner by a power cord to provide power to the robot cleaner, the unit being connectable to a power socket by another power cord wherein the robot cleaner is adapted to clean a room and wherein the robot system includes a power cord payout.

(Original) 21. The robot system of claim 20, wherein the payout is on the robot cleaner.

(Original) 22. The robot system of claim 20, wherein the payout is on the unit.

(Original) 23. The robot system of claim 20, wherein the robot cleaner circles the unit to clean the room.

(Original) 24. The robot cleaner of claim 23, wherein the robot cleaner prevents the power cord from completely wrapping around an object on the floor.

(Original) 25. The robot cleaner of claim 24, wherein the robot cleaner keeps track of its motion to determine motion changes caused by the power cord contacting objects on the floor.

(Original) 26. The robot cleaner of claim 24, wherein the robot cleaner cleans back and forth in region behind the object.


(Original) 27. The robot cleaner of claim 20, wherein the robot cleaner includes processor.

(Original) 28. The robot cleaner of claim 20, wherein the processor controls the motion unit.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this Preliminary Amendment.

Respectfully submitted,

Date: 6/09/04

By: 
Joseph P. O'Malley
Reg. No. 36,226

FLIESLER MEYER LLP
Four Embarcadero Center, Suite 400
San Francisco, California 94111-4156
Telephone: (415) 362-3800